

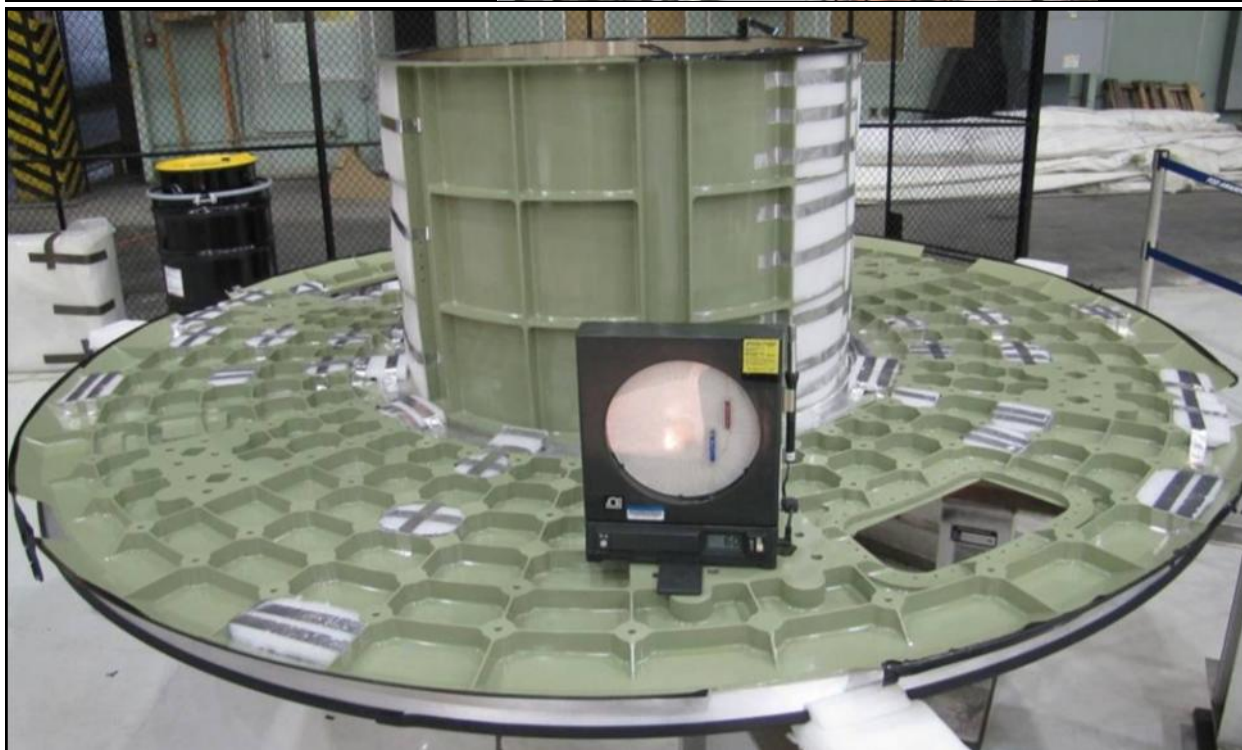
# ORION

CREW EXPLORATION VEHICLE

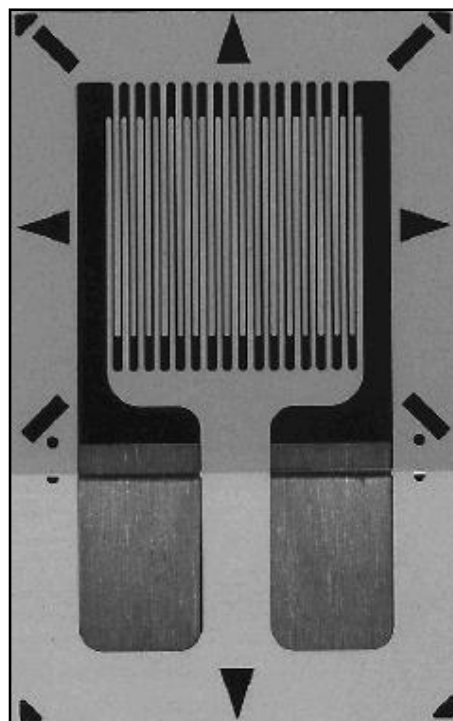
WEEKLY ACCOMPLISHMENTS

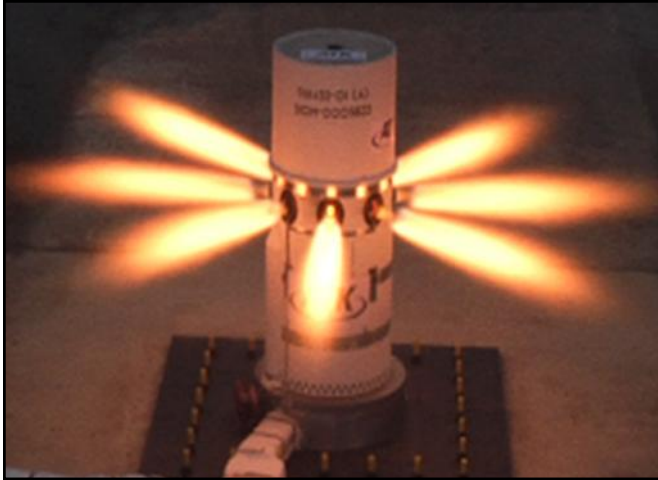


01.08.10



**Progress continued over the holidays at the Michoud Assembly Facility in New Orleans, Louisiana as the team began installing strain gauges on the cone, upper tunnel and heat shield Ground Test Articles (Shown in banner.)** Hundreds of small gauges (shown right) will be placed in various areas and positions on the Ground Test Articles (GTA) to measure the overall strain on the GTA when testing begins later this year in Denver, CO. The gauges are temporarily protected and held in place by pieces of foam that are custom fit for each socket on the GTAs. The Upper Tunnel (shown above) has already been fitted with several gauges and foam with more gauge installations expected over the next week. Once the gauge installation is complete, the GTA sections will move into position to be welded together, which should occur later in the month.





**Data analysis has begun from last month's Attitude Control Motor (ACM) DM-1 testing (Shown Left.)** The Pressure, Thrust Magnitude and Thrust Direction all appear to meet the requirements. There were some differences between the Thermal Model and the TC Data noted, but overall the Thermal Model was bounded and the trends matched. Accel data is still being analyzed and is expected on or before the 60-day test report.



**Work continued at the White Sands Missile Range (WSMR) in preparation for Pad Abort-1 with the sealing of the nozzle to the shroud interface gap on the jettison motor (shown right.)** In addition, the Forward Bay Cover (FBC) Parachutes and gas generators were installed into the FBC (Shown below.)

